

20030615.qrp v02_n952.qrl.20030615

Date: Sun, 15 Jun 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2952

QRP-L Digest 2952

Topics covered in this issue include:

- 1) [152372] RE: NorCal Keyer: don't bend the speaker leads
by "Terres Family" <terresfm@ncia.net>
- 2) [152373] Truffles out for the picking
by "Jerry Ford" <benlightnd13@mchsi.com>
- 3) [152374] Anybody want to check the bands?
by "Jerry Ford" <benlightnd13@mchsi.com>
- 4) [152375] 6 mtrs here in Ontario..(marginal openings) to 1 and 2 land.
by ve3ab@mail.mondenet.com
- 5) [152376] Modified Norcal miniboots amp on 80M
by Steve Ratzlaff <steveratz@eoni.com>
- 6) [152377] FS: QRP Items
by "WI8W" <rtty@attbi.com>
- 7) [152378] QRPARCI Awards Email Address Change
by "WI8W" <rtty@attbi.com>
- 8) [152379] Fwd: [RTTY] SHORT NOTE (abt a JA1 at YA1)
by Ed Tanton <n4xy@earthlink.net>
- 9) [152380] Re: Truffles out for the picking
by "jman0iin" <jman0iin@attbi.com>
- 10) [152381] WoW Must be a RTTY contest this weekend
by "Jerry Ford" <benlightnd13@mchsi.com>
- 11) [152382] NorCal Keyer in Altoid Tiny TIn
by "Terres Family" <terresfm@ncia.net>
- 12) [152383] Re: WoW Must be a RTTY contest this weekend
by "Jeff Davis" <jeff@ke9v.com>
- 13) [152384] Re: WoW Must be a RTTY contest this weekend
by Bob Nielsen <nielsen@oz.net>
- 14) [152385] Want to trade: Night Vision Scope
by "Bill Jones" <kd7s@psnw.com>
- 15) [152386] Re: Modified Norcal miniboots amp on 80M
by "Bill Linn" <blinn@smgazette.com>
- 16) [152387] NorCal Keyer Kit Photos
by Chuck Adams <k7qo@commspeed.net>
- 17) [152388] GM-20 (TNX)
by DK3RED@t-online.de (Ingo Meyer DK3RED)
- 18) [152389] 6 meters
by Joseph Mikuckis <k3chp@rcn.com>
- 19) [152390] MSP430 Morse Clock

by "Leon Heller" <leon_heller@hotmail.com>
20) [152391] SuSE DVD's
by "dave" <kd3pc@mindspring.com>
21) [152392] Determining resonance of transducer
by John Nall <jnall01@alltel.net>
22) [152393] Fox & K7QO...
by Bruce Rattray <rattray@gpfn.sk.ca>
23) [152394] MSP430 morse generation code available
by "Leon Heller" <leon_heller@hotmail.com>
24) [152395] Function Generators, Modeling Software
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
25) [152396] Re: Determining resonance of transducer
by "Leon Heller" <leon_heller@hotmail.com>
26) [152397] Re: Determining resonance of transducer
by "George, W5YR" <w5yr@att.net>
27) [152398] Re: Determining resonance of transducer
by "Dave Martin" <k2zu@seanet.com>
28) [152399] Re: HAMCOM 2003 Arlington, TX
by "kk5na" <kk5na@kk5na.com>
29) [152400] [OT] SuSE 8.2 Pro Install Pics
by Chuck Adams <k7qo@commspeed.net>
30) [152401] Homebrew 6 meter antennas
by Rick McKee <kc8aon@juno.com>
31) [152402] Re: Determining resonance of transducer
by John Nall <jnall01@alltel.net>
32) [152403] KI6DS at HamCom + FD Plans = Long
by "Doug Hendricks" <ki6ds@dph.dpol.net>
33) [152404] Re: [fpqrp] Homebrew 6 meter antennas
by Chuck Carpenter <w5usj@9plus.net>
34) [152405] More AT Sprint
by "Sverre Holm" <la3za@qsl.net>
35) [152406] Tenna Dipper oops.
by "Steven Weber" <kd1jv@moose.ncia.net>
36) [152407] Down East Microwave Transverter for Sale
by "Glenn Maclean" <wa7spy@attbi.com>
37) [152408] Good Propagation
by "Jerry Ford" <benlightnd13@mchsi.com>
38) [152409] Need American QRP Club (NorCal - New Jersey QRP Club members) to
help with booth
by "Doug Hendricks" <ki6ds@dph.dpol.net>

Date: Sat, 14 Jun 2003 19:47:53 -0400
From: "Terres Family" <terresfm@ncia.net>
To: <qrp-l@Lehigh.EDU>
Subject: [152372] RE: NorCal Keyer: don't bend the speaker leads
Message-ID: <000801c332cf\$5fe925c0\$d10a1845@amdxdp2100>

MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

WOW!
That was nice. Thanks Doug
72
jerry aa1of

Date: Sat, 14 Jun 2003 18:57:55 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "Pigs" <multipigplus@yahooogroups.com>, "qrp-1" <qrp-1@lehigh.edu>,
"FPigs" <fpqrp-1@mpna.com>
Subject: [152373] Truffles out for the picking
Message-ID: <000701c332d0\$c6e9bfe0\$0077da0c@mchsi.com>

Ladies and Gentlemen:

It is my pleasure to announce that the midwest will be well
represented in this weekends Truffle hunt.

Come one come all to our CW ball !!

Jason (N0SG) (CO.) will take the first 15 minute slot from
21:30 to 21:45 UTC and yours truly (N0JRN) (MO.) will take the
second 15 minutes from 21:45 to 22:00.

Jason will announce his planned freq's etc. in a bit but for me,
I'll be on 14.062 and up based on QRM. I will not be running splits
unless activity dictates it.
I will be running on the MP + #8 and firing a whopping big 5 watts
into my (no way it can possibly work) loop antenna.
This is an awesome opportunity to check propagation in preparation for
the fox hunt. I hope you all will jump in there and give Jason and I
a run for our money.

73 / 72 oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Sat, 14 Jun 2003 18:59:25 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [152374] Anybody want to check the bands?
Message-ID: <000d01c332d0\$fc9adde0\$0077da0c@mchsi.com>

I'm hangen out on 14.062 again if anyone is sitting around the shack
and wants to see what the bands are doing.

72 oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Sat, 14 Jun 2003 20:35:41 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Subject: [152375] 6 mtrs here in Ontario..(marginal openings) to 1 and 2 land.
Message-ID: <200306150035.h5F0ZVrZ029862@barclay.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Only could work one local on 6 mtrs. Heard some stations from W1 and
W 2 land..but sigs were not strong..and no one could hear my 6 watts
ssb with a single element quad loop. Im using a ten tec transverter
for 6. Look for me on FD on 6. Hopefully the band(s) co operate.

Date: Sat, 14 Jun 2003 17:55:37 -0700
From: Steve Ratzlaff <steveratz@eoni.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152376] Modified Norcal miniboots amp on 80M
Message-ID: <3EEBC409.B91129AC@eoni.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi,

I've found an output filter version that will work on 80M for the miniboots amp. Built and tested the filter yesterday; today built the amp kit and added the filter and tested both together--works well, tested at 5W output. I used a scrap piece of PCB and built the filter ugly style, using mica caps and a mylar cap for the larger middle cap--lacking the miniature caps used in the kit. Mica caps don't fit very well in the existing cap holes! There may be a better-optimized version, but this one works.

Input and output caps are 820pF (mica); center cap is 1500pF (mylar). First inductor is 1.81uH (18 turns on T50-2), with 270pF cap (mica) across it. Second inductor is 2.17uH (19 turns on T50-2), with 100pF cap (mica) across it. I tweaked the nulls on the filter before adding it to the amp. First null is 7.2MHz; second null is 10.8MHz. (I used the AADE inductance meter to set the inductors to design values.)

Using 1 Watt drive, I could easily adjust the pot on the amp for 5 Watts output (~46Vp-p on the oscilloscope). My bifilar transformer, T1, was 14uH measured, with the specified 6 bifilar turns. This is about 300 ohms inductive reactance on 80M. As the Drain impedance should be a nominal 12.5 ohms, T1's reactance, even at 80M is much higher than this, thus I didn't expect to see any difference in output power at 80M, compared to 40M.

At 5 watts output, the output spectrum was about -57dBc for second harmonic, and -64dBc for third harmonic, using 3560kHz as the test frequency.

Steve AA7U

Date: Sun, 15 Jun 2003 00:57:48 -0000
From: "WI8W" <rtty@attbi.com>
To: <qrp-1@lehigh.edu>
Subject: [152377] FS: QRP Items
Message-ID: <014401c332d9\$24005740\$6401a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The following are excess to my needs.

Certified Check or Money Order only. Shipping via UPS

Elecraft K2 # 1327

Very excellent condition. no modifications
SSB, 160 meters and 2nd Antenna installed
recently aligned and filters set using Spectrograph.
manual and power cord included. Great CW, SSB and PSK radio.
Mic wired for Yaesu microphones easily changed per manual. I have a Yaesu
MH-31 hand Microphone for an additional \$30
\$750 shipping included

OHR 100 40 meters
Good Shape, no modifications
Manual included
\$80 + \$5 shipping

OHR WM2 wattmeter
No Manual...obtainable from Millstone Technologies
Excellent Shape, no modifications
\$80 + \$5 shipping

Thanks

Thom WI8W

Date: Sun, 15 Jun 2003 01:03:43 -0000
From: "WI8W" <rtty@attbi.com>
To: <qrp-l@lehigh.edu>
Subject: [152378] QRPARCI Awards Email Address Change
Message-ID: <015001c332d9\$f7a6c660\$6401a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Due to the extremely large volume of spam sent thru my email address with
ARRL.NET I have changed to a new email address for those wanting info or
wish to send inquiry's about the QRPARCI Awards Program.

effective immediately the new address is

qrparciawards@yahoo.com

and of course now that I have posted this on the list, I am sure the
spambots will find it and flood that email box also.

thanks

Thom Durfee WI8W
Awards Manager QRP/ARCI

Date: Sat, 14 Jun 2003 21:46:56 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: noga reflector <nogaqrp@mailman.qth.net>,
qrp-L Reflector <qrp-l@lehigh.edu>
Subject: [152379] Fwd: [RTTY] SHORT NOTE (abt a JA1 at YA1)
Message-ID: <5.2.1.1.2.20030614214550.029c44a8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Date: Sat, 14 Jun 2003 19:28:21 EDT
>To: RTTY@contesting.com
>
>JA1CRT IS IN YA-LAND, NO RTTY FROM HIM.
>
>BUT
>
>YA1BVJA1PBV... WILL BE IN YA-LAND REAL SOON AND HE WILL DO RTTY.
>
>73 ES DX....ALEX.....W6ZX.....I NEED YA -LAND.
>
>-----
>RTTY mailing list
>RTTY@contesting.com
><http://lists.contesting.com/mailman/listinfo/rtty>

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Sat, 14 Jun 2003 20:10:46 -0600
From: "jman0iin" <jman0iin@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152380] Re: Truffles out for the picking
Message-ID: <005201c332e3\$5531d500\$6401a8c0@attbi.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will be the other Truffle tomorrow starting at 2130z, as Jerry N0JRN
mentioned. I will be on 14.055 +/- QRM or QSOs with no split. Station will
be an OHR-100A running 5 watts to a 1/4 wave vertical. I am locating in
Centennial, CO which is 10 miles southeast of Denver. Hope to hear you on
the air!

73,
Jason N0SG

Date: Sat, 14 Jun 2003 21:24:48 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>
Subject: [152381] WoW Must be a RTTY contest this weekend
Message-ID: <007601c332e5\$4c037360\$0077da0c@mchsi.com>

Just came from 40 mtrs and sounds like there must be a RTTY contest going on.

7.044 is in the clear for now but doesn't mean it will stay that way. Anybody know which contest is on this weekend and when it will end??

Guess I'll stick to 14.062 tonight and check out 40 much later when the racket settles.

72 and maybe see ya on 20: Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Sat, 14 Jun 2003 22:51:15 -0400
From: "Terres Family" <terresfm@ncia.net>
To: <qrp-1@Lehigh.EDU>
Subject: [152382] NorCal Keyer in Altoid Tiny TIn
Message-ID: <000001c332e8\$fd39c910\$d10a1845@amdxp2100>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Was able to squeeze one in but it wasn't too easy, (and I broke the mini speaker) lot of dremmel work. Works well but you have to have the side tone hooked up to something to be able to get thru the menus.

72
jerry aa1of

Date: Sat, 14 Jun 2003 21:55:34 -0500
From: "Jeff Davis" <jeff@ke9v.com>
To: qrp-1@lehigh.edu
Subject: [152383] Re: WoW Must be a RTTY contest this weekend
Message-ID: <3EEB99D6.8860.2A342B@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: Quoted-printable

Content-description: Mail message body

On 14 Jun 2003 at 21:24, Jerry Ford wrote:

> Just came from 40 mtrs and sounds like there must be a RTTY contest
> going on.
>
> 7.044 is in the clear for now but doesn't mean it will stay that way.
> Anybody know which contest is on this weekend and when it will end??

ANARTS WW RTTY/Digital Contest--sponsored by Australian National
Amateur Radio Teleprinter Society (ANARTS) from 0000Z Jun 14-2400Z
Jun 15. Frequencies: 80-10 meters. Categories: S0, MS, and SWL, S0
and SWL only operate 30 hours. Exchange RST, CQ zone and Time (UTC).
QSO Points are determined by an exchange table available from ANARTS.
Score is QSO points =D7 DXCC entities + VK, JA, VE, and W call
districts + continents (counted only once). For more information--
<http://www.users.bigpond.com/ctd Davies>.

Date: Sat, 14 Jun 2003 20:05:17 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [152384] Re: WoW Must be a RTTY contest this weekend
Message-ID: <20030615030517.GA9935@n7xy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

It's the ANARTS (Australia) RTTY contest running from 0000Z June 14 to
2400 June 15.

On Sat, Jun 14, 2003 at 09:24:48PM -0500, Jerry Ford wrote:
> Just came from 40 mtrs and sounds like there must be a RTTY contest
> going on.
>
> 7.044 is in the clear for now but doesn't mean it will stay that way.
> Anybody know which contest is on this weekend and when it will end??
>
> Guess I'll stick to 14.062 tonight and check out 40 much later when
> the racket settles.
>
> 72 and maybe see ya on 20: Jerry N0JRN
> FP # 546, ARS # 923, ARCI # 11049, ARRL,
> Springfield, Mo. <http://home.mchsi.com/~n0jrn/>

> MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
> 40, Tiny Tornado 20, 30, 40, 80, SMK - 1
> and so on and so on
>
>

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

n7xy@n7xy.net
<http://www.n7xy.net>

Date: Sat, 14 Jun 2003 21:19:21 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152385] Want to trade: Night Vision Scope
Message-ID: <001301c332f6\$b3ab7dd0\$6743f842@RadioRoom>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Friends,

I was given a night vision scope as a retirement gift six weeks ago. I have used it a few times to check out the neighborhood and once while camping in the mountains. It is a fun device and but it isn't the sort of thing I will get much use out of.

For complete details, go to:
http://www.x10.com/products/x10_ntl6.htm

So I'd like to offer it up for trade for something I *would* use. I'm pretty flexible --- I'll consider almost anything. For what it's worth, I've always liked the MFJ 9420 SSB Travel Radio.

So what do you have?

=====
Bill Jones KD7S <><
<http://www.psnw.com/~kd7s>
Sanger, California
=====

Date: Sat, 14 Jun 2003 21:49:42 -0700

From: "Bill Linn" <blinn@smgazette.com>
To: <steveratz@eoni.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [152386] Re: Modified Norcal miniboots amp on 80M
Message-ID: <000201c332fa\$06b8e820\$aa70ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Congratulations! I'm saving this information for reference.

Steve, (and other MiniBoot fans) the primary reason I built this kit was to boost my 700 mW, modified TT2 xmtr to a level just above lip-reading. I guess the little fella just don't have enough oomph to keep the relay keyed.

Is there a way to modify the keying circuit to accomodate QRPP? I certainly would like to be able to "Kick in the amp" when the QRN gets heavy.

My DSW 40 drives the MiniBoots just fine. Pegged my 6 Watt NoGa Meter so don't know where it peaked with 1.5 watt drive. (Turned it down to 5 watts, not wanting to generate too much QRM...:))

Thanks,
Bill - WA7TQK

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Sun, 15 Jun 2003 07:38:53 +0100
From: Chuck Adams <k7qo@commspeed.net>
To: qrp-1@lehigh.edu
Subject: [152387] NorCal Keyer Kit Photos
Message-ID: <5.2.1.1.0.20030615073712.00b1f980@mail.commspeed.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I took a new set of photos today of the NorCal keyer kit using outdoor lighting.

<http://www.qsl.net/k7qo/norcalkey.html>

Enjoy,

Chuck Adams K7QO k7qo@commspeed.net
http://www.qsl.net/k7qo CP-60

Date: Sun, 15 Jun 2003 10:00:47 +0200
From: DK3RED@t-online.de (Ingo Meyer DK3RED)
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152388] GM-20 (TNX)
Message-ID: <5.2.1.1.1.20030615100047.026d0ec0@pop.btx.dtag.de>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Jim, N5IB,

Many thanks for the informations. (It's 22 MHz)

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de http://www.t-online.de/~dk3red
DL-QRP-AG #824 http://www.dl-qrp-ag.de
QRP ARCI #11295 http://www.qrparci.org

72/73 de Ingo, DK3RED Don't forget: the fun is the power!

dk3red@t-online.de http://www.t-online.de/~dk3red
DL-QRP-AG #824 http://www.dl-qrp-ag.de
QRP ARCI #11295 http://www.qrparci.org

Date: Sun, 15 Jun 2003 06:26:58 -0400
From: Joseph Mikuckis <k3chp@rcn.com>
To: QRP-L Mailing List <qrp-l@lehigh.edu>
Subject: [152389] 6 meters
Message-ID: <3EEC49F2.B3FC8739@rcn.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Worked only six stations on Saturday: NJ, DE, MS, AL and FL. Hope for better opening today (Sunday); so far early this morning the band is dead. The setup here is FT-817 and a Halo in the attic.

Joe, K3CHP
Frederica, DE FM29

Date: Sun, 15 Jun 2003 12:32:53 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [152390] MSP430 Morse Clock
Message-ID: <Law15-DAV52APVieswx00040555@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I thought I'd see how easy it is to use the TI MSP430F1101 for a Morse clock. With two or three hours work I had the RTC function and Morse output running as two separate assembler programs, with a piezo transducer on one output pin. I just have to integrate the two programs and add a couple of push buttons for user input - one to trigger the time output and one to set the time. I might be able to work out a way to do both with one button, holding it down for a second to switch modes.

Hardware required is minimal - the 'F1101 in a tiny SM package, four 0805 size resistors, one 0805 capacitor, 32 kHz watch crystal and two push buttons. Two AAA cells or a lithium cell should last a couple of years, as the MPU will be 'sleeping' most of the time, maintaining the RTC clock from the 32 kHz crystal. When it wakes up, it'll be running from the digitally-controlled oscillator (DCO) at about 800 kHz, or the DCO could be locked to the 32 kHz clock for greater accuracy of the dits and dahs. Timing of the RTC could be fine-tuned with software, rather than a trimmer on the crystal, as could the tone frequency. Morse speed could be as fast as anyone would want.

There are lots of spare I/Os and plenty of memory is available, so other functions could easily be added, such as a Morse trainer, call sign transmission, keyer, etc. I could even implement a Morse DVM with 12-bit accuracy, using a simple RC circuit with software for a sigma-delta ADC, if I used a different member of the MSP430 family.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Sun, 15 Jun 2003 08:33:43 -0700
From: "dave" <kd3pc@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152391] SuSE DVD's
Message-ID: <004501c33353\$82ea4840\$09000000a@esprit>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys and Gals.

I have completed my copy of the SuSE DVD's and will pass them along Monday to the first person who emails me with an address and need. I will send you a confirm email if that person is you.

thanks in advance.

dave
Dave Dabay KD3PC
2519 Carolina Avenue
Roanoke, VA 24014
540-345-5370

Date: Sun, 15 Jun 2003 11:29:23 -0400
From: John Nall <jnall01@alltel.net>
To: qrp-l@Lehigh.EDU
Subject: [152392] Determining resonance of transducer
Message-ID: <5.2.0.9.0.20030615112332.01c281a8@mail.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Strictly speaking, this is getting a little ways off from QRP. But not by too much. I bought some transducers of unknown origin (from eBay) and am trying to figure out how to determine what frequency they are resonant at. The principle involved would be the same as determining the resonant frequency of any antenna, of course (or at least I think it would), except that I've never seen a grid dip meter that goes down into the ultrasonic range.

Can anyone offer any clues as to how to proceed? My thoughts go along the general lines of using a function generator (which will cover the

ultrasonic frequencies) and put a scope on the output of the transducer to see what happens as I tune through the different frequencies. But I don't know if this will do it or not.

Any suggestions/comments will be welcomed.

John
AF4WM

Date: Sun, 15 Jun 2003 09:39:53 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [152393] Fox & K7Q0...
Message-ID: <Pine.LNX.4.33.0306150935560.31044-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have just received the N0IT log from the June 8th hunt...I need the N3BJ log from the same hunt please...

...many thanks to Chuck for the fine picture series of the NorCal keyer kit...I'm waiting for my 2 kits to arrive and these pictures will be used when I build mine...mni tnx Chuck!...\$15 a kit!?!...unbelievable eh!?

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 15 Jun 2003 17:44:26 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [152394] MSP430 morse generation code available
Message-ID: <LAW15-DAV73Up5PsCx70000df3c@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If anyone has any MSP430 hardware and would like to try my Morse generator software, I've put it on my web site:

http://www.geocities.com/leon_heller/msp430_morse.html

The formatting has been messed up by the HTML, but the code should assemble OK. I'll tidy it up a bit when I'm in the mood.

This initial version uses a delay loop for the timing. I'll be using the counter/timer for the next version and adding some more facilities.

I've done a web search, and didn't come up with any other code like this for the MSP430, so it looks like I'm the first person to do it. 8-)

BTW, it costs under \$20 to get started with the MSP430 - details on my home page.

73, Leon

--

Leon Heller, G1HSM

leon_heller@hotmail.com

http://www.geocities.com/leon_heller

Date: Sun, 15 Jun 2003 13:25:44 -0400

From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>

To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU

Subject: [152395] Function Generators, Modeling Software

Message-ID: <3EEC73D8.774.1D2055@localhost>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Content-description: Mail message body

Anyone have a function generator they want to sell/trade? I am interested in something that will go to at least 1Mhz (preferably 2),

Also, anyone have a copy of Global Specialties ProtoLab 4.0 that they want to loan/sell/trade?

Tnx

Henry

Date: Sun, 15 Jun 2003 17:51:52 +0000

From: "Leon Heller" <leon_heller@hotmail.com>

To: jnall01@alltel.net, qrp-1@Lehigh.EDU

Subject: [152396] Re: Determining resonance of transducer
Message-ID: <Law15-F34zeMOGUIdFY00076650@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: John Nall <jnall01@alltel.net>
>Reply-To: jnall01@alltel.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Determining resonance of transducer
>Date: Sun, 15 Jun 2003 11:29:23 -0400

>
>Strictly speaking, this is getting a little ways off from QRP. But not by
>too much. I bought some transducers of unknown origin (from eBay) and am
>trying to figure out how to determine what frequency they are resonant at.
>The principle involved would be the same as determining the resonant
>frequency of any antenna, of course (or at least I think it would), except
>that I've never seen a grid dip meter that goes down into the ultrasonic
>range.

>
>Can anyone offer any clues as to how to proceed? My thoughts go along the
>general lines of using a function generator (which will cover the
>ultrasonic frequencies) and put a scope on the output of the transducer to
>see what happens as I tune through the different frequencies. But I don't
>know if this will do it or not.

That should work.

They are probably 40 kHz. If you have two of the same type you could put one
across the output of the function generator and put a scope across the
other. You should be able to see the received signal peak at resonance. I
tried this once with a pair of 40 kHz transducers.

You could also try making an oscillator with one of them

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

Stay in touch with absent friends - get MSN Messenger
<http://www.msn.co.uk/messenger>

Date: Sun, 15 Jun 2003 13:06:34 -0500
From: "George, W5YR" <w5yr@att.net>
To: <jnall01@alltel.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152397] Re: Determining resonance of transducer
Message-ID: <005301c33368\$dc0dc090\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If these are electrical transducers, hopefully the type that produce mechanical motion from electrical excitation, as with a speaker, you can measure the voltage across the device with a scope while simultaneously viewing on another trace the current into the device. The frequency or frequencies at which current and voltage are in phase is by definition a resonant frequency.

If these transduce "the other way" then if you can find some way to excite them mechanically or however they are excited and examine the current and voltage output, you can use the same criterion.

Make sure, if you use a dual trace scope, that the triggering is such that both traces are in time synch to preserve any actual phase differences in the two signals being examined. Check this by applying the same signal to both inputs.

Another less accurate approach is to just view the output of the device as you vary in the input frequency and look for a peak or a dip, depending upon the device. Usually these are broader and less accurate to interpret.

Sure would make it easier if you had told us what this mysterious device is!
<:}

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "John Nall" <jnall01@alltel.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, June 15, 2003 10:29 AM
Subject: Determining resonance of transducer

> Strictly speaking, this is getting a little ways off from QRP. But not by
> too much. I bought some transducers of unknown origin (from eBay) and am
> trying to figure out how to determine what frequency they are resonant
> at. The principle involved would be the same as determining the resonant
> frequency of any antenna, of course (or at least I think it would),
except
> that I've never seen a grid dip meter that goes down into the ultrasonic
range.
>
> Can anyone offer any clues as to how to proceed? My thoughts go along the
> general lines of using a function generator (which will cover the
> ultrasonic frequencies) and put a scope on the output of the transducer to
> see what happens as I tune through the different frequencies. But I don't
> know if this will do it or not.
>
> Any suggestions/comments will be welcomed.
>
> John
> AF4WM
>

Date: Sun, 15 Jun 2003 11:19:35 -0700
From: "Dave Martin" <k2zu@seanet.com>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [152398] Re: Determining resonance of transducer
Message-ID: <000301c3336a\$adcab9c0\$088c2640@davemartin>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi John. Your idea is OK, the smaller the loading across the transducer the
closer to the real point of resonance. 73
Dave K2ZU

Date: Sun, 15 Jun 2003 13:08:53 -0500
From: "kk5na" <kk5na@kk5na.com>

To: <qrp-1@lehigh.edu>
Subject: [152399] Re: HAMCOM 2003 Arlington, TX
Message-ID: <124301c33369\$2e6db430\$eb01a8c0@joes>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Hope you are planning to attend HAMCOM 2003 in Arlington, Texas. The dates are 20-22 June 2003.

There will be four tables together ...you will find them at the end of Aisle T= T1, T2, T19, T20. QRP-ARCI, NOTEX QRP, G-QRP, and the American QRP Club will have representatives and items for sale and literature.

=====

A fantastic gathering of leaders and experts in our hobby will treat Hamcom 2003 attendees to QRP seminar topics that include homebrew construction, antenna design, power supplies, simple test equipment, contesting, operating from the field, and more. These Saturday and Sunday QRP seminars, co-sponsored by the NORTEX QRP Club, are one of the great highlights of the HAMCOM weekend.

And what a QRP speaker lineup we have for everyone this year! The illustrious QRP speaker staff for this year's presentations includes: George Dobbs, G3RJV*; Graham Firth, G3MFJ*; Tony Fishpool, G4WIF*; Jim Duffey, KK6MC/5; Ron Sparks, AG5RS; Rick Hiller, W5RH; Dale Martin, KG5U; Howard Leverenz, AC5VF; Eric Swartz, WA6HHQ and; Doug Hendricks, KI6DS*

* QRP Hall of Fame Member

See the list events at... <http://www.kk5na.com/hamcom2003/home.htm>

=====

Here are some details:

A fantastic gathering of leaders and experts in our hobby will treat Hamcom 2003 attendees to QRP seminar topics that include homebrew construction, antenna design, power supplies, simple test equipment, contesting, operating from the field, and more. These Saturday and Sunday QRP seminars, co-sponsored by the NORTEX QRP Club, are one of the great highlights of the HAMCOM weekend.

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Leverenz, AC5VF; Eric Swartz, WA6HHQ and; Doug Hendricks, KI6DS*
* QRP Hall of Fame Member

PROGRAM INFORMATION:

Modeling Stealth Antennas --AG5RS

Description: A look, from a modeling perspective, at the deployment and performance aspects of 'low profile', 'hidden', or 'stealth' type of antennas.

=====

QRP Contesting - A Primer -- KG5U

Description: The program will discuss amateur radio contesting as a sport, why people contests, how to get into a contest, how to make contacts in a contest, and how to improve station and operator performance in contests thereby improving general amateur radio operating performance. The overall perspective will be from operating at the QRP (5 Watt) level in a world of high power signals.

=====

Switching type power systems for the QRP'er -- joint AC5VF and AG5RS

Description: A practical look at switching power supplies and charging systems

=====

Practical Loop Antennas for the QRP'er -- W5RH

Description: QRP'ers have 2 goals in mind when building an antenna farm above and around their house and lot. 1) To make the most efficient use of the space; and 2) to put up the most efficient antennas for maximum radiation with lower power. This program provides a look at the wide range of full wave loops and how they can best be deployed on a typical city lot. Loop characteristics and capabilities will be discussed, all the while referencing a very detailed bibliography of 'loop' articles and references from the 1960's to the present.

=====

What do You Care About SWR? - KK6MC/5

Description: When your transmission line does not match the load impedance, not all of the energy fed down the line flows into the load. Some is reflected back, forming standing waves on the line. But what does this mean in English and what does it mean to you as an operator?

=====

"Having Fun With QRP Afield" - KI6DS

Description: Doug's talk is going to be a great one containing humor, practicality and instruction, and will relate to every single QRPer in the audience. KI6DS has operated almost every "QRP Afield" and "QRP to the Field" since the inception of these events several years ago. His talk at HAMCOM this year will show you how to set up an effective contest station that won't break the bank, yet will give you loads of contacts. He will go over some neat operating hints and kinks that get you more QSOs and show you what you need to take with you in order to have an effective station. Doug will also demonstrate a sure fire method of spending a fun afternoon using simple QRP gear while your wife shops at the mall.

=====

Minimalist Radio - G3RJV

Description: Insights on the philosophy of QRP and a ramble through one-night and weekend projects for the homebrewer by the founder of the G QRP Club and editor of the club's journal SPRAT since 1972.

=====

Simple Test Equipment for the QRPer - G3MFJ and G4WIF

Description: Graham and Tony will discuss construction of simple but effective test equipment such as AF and RF probes, signal generators, dummy loads, noise generators, etc. to get your QRP projects up and running.

=====

HF Pack and Portable Radio Design - WA6HHQ

Most modern, high-performance HF transceivers are far from portable; their high current drain--as much as 3 amps on receive--relegate them mostly to fixed-station use. When such rigs are used for field operation, large batteries or generators are needed.

But it's possible to design high-performance gear that you really can take with you. Eric will describe the current drain and performance advantages of a single-conversion, down-conversion system architecture, and touch on topics from latching relays to transfective LCDs to firmware-based power-reduction strategies.

This talk will appeal to both a technical and non-technical audience. You'll discover what's eating all those watts inside your desktop radio, and see how it is possible to design efficient rigs that can please the most demanding DXers and contest operators, yet retain the size, weight, and current drain of a go-anywhere portable.

Along the way, Eric will answer the question, "What is HF Pack?" This rapidly growing operating activity takes HF-portable operation to new heights--literally.

=====

Building contest:

This years building contest will be Saturday Night, June 21st at the QRP-RCI QRP courtesy suite. .

2n2222a TX Fryoff

Any single transistor TX using the 2n2222a on any HF ham band, the most power out wins. The only rules will be no heatsinks, all official runs will be on judges power supply using judges meter and must survive a 60 second simulated qso at 5wpm. There will be a prize for most power out, ugliest, and the best smoke release (if we burn some up!)

Best Portable Station Accessory

No rules, other than it has to be moveable and survive judges durability testing procedure to be disclosed after you enter. Ok, just kidding... only rule is it has to be QRP portable station accessory. Fire up your irons and bring out your toys, we are gonna have some fun.

Contact KD5KXF Mike Malone mmalone@ruggedridge.com for further details.

=====

There is still time to Pre-register to be included in the QRP

Pre-registration prize drawing!

This is for QRP events not main HAMCOM! Deadline to preRegister Wed 18 June 2003 6am.

Everyone PreRegistered stop by the QRP Tables for you badge.

=====

More information is available at the website.

<http://www.kk5na.com/hamcom2003/home.htm>

Hope to see you there.

Joe KK5NA

Date: Sun, 15 Jun 2003 18:13:08 +0100

From: Chuck Adams <k7qo@commspeed.net>

To: qrp-l@lehigh.edu

Subject: [152400] [OT] SuSE 8.2 Pro Install Pics

Message-ID: <5.2.1.1.0.20030615180519.00b1fc08@mail.commspeed.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

<http://www.qsl.net/k7qo/suse8d2.html>

will get you a series of photos that I took during an install. This should help reinforce the quick install instructions.

I have ordered three other LINUX sets of CDs from a company Edmunds Enterprises of America, Inc. What is interesting about this group is that they imply RedHat 9.0 set of discs but won't name them by name but have an IP address that winds up at RedHat.

I got RH 9.0, Slackware 9.0, and Mandrake 9.1 all for \$12.87 BUT they charged me \$24.49 for shipping. They had a pricing for UPS brown and then tacked on another \$6 to ship it USPS priority mail. Bummer. But heck, RH 9.0 runs more than the total..... Trade offs.

I may have to borrow a set of each and see if they match the originals. The reason for getting these is to check for Spice3f5 distributions and other stuff for ham use. We may have to start another email group just for this.

I know it looks like I have a lot of time on my hands and I'm trying to kill it all..... :-)

FYI

Chuck Adams K7QO k7qo@commspeed.net
<http://www.qsl.net/k7qo> CP-60

Date: Sun, 15 Jun 2003 14:16:35 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [152401] Homebrew 6 meter antennas
Message-ID: <20030615.141639.9190.1.kc8aon@juno.com>

Gang,

Anyone know any good websites for homebrew 6 meter antennas ? I sure would like to hear about them ! I built a rotatable dipole for 6 from two 102 inch stainless steel whips cut down to size and a homemade dipole mount, but still looking around to see what's out there before I decide on a more permanent skyhook !

Thanks !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269

QRP'ers DEPEND ON SKILL - NOT RAW POWER !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sun, 15 Jun 2003 14:48:48 -0400
From: John Nall <jnall01@alltel.net>
To: "George, W5YR" <w5yr@att.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152402] Re: Determining resonance of transducer
Message-ID: <5.2.0.9.0.20030615144208.01bba590@mail.alltel.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:06 PM 6/15/2003 -0500, George, W5YR wrote:

> >Sure would make it easier if you had told us what this mysterious device is!
> <:}

Sorry. :-(It is a little disk, about the size of a silver dollar, with
a plastic ring around the outer edge. Within the plastic ring is what
appears to be a thin, brass disk, and mounted in the center of the brass
disk is a substance which I assume to be a ceramic piezo disk. There is a
wire soldered to the ceramic disk, and another wire soldered to the brass
disk. The purpose is to experiment with underwater communications (there,
I told you all it was QRP related. :-)

Thanks for all the replies from everyone -- that should get me started down
the right path, hopefully.

John

Date: Sun, 15 Jun 2003 11:49:39 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [152403] KI6DS at HamCom + FD Plans = Long
Message-ID: <015701c3336e\$e0074da0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Guys, I will be leaving Tuesday morning at 7:00 AM to head for Dallas and Hamcom. Will be traveling on Interstate 40 to Amarillo, then cut down towards Dallas on 287 as suggested, but will be aware of the many, many speed traps on the way. My goal is to get to Dallas Thursday night so that I can be there to set up the American QRP Club Booth on Friday morning.

I will be speaking at the QRP Forum sponsored by the NorTex QRP Club on Sunday morning at 9:00 AM. My subject will be on QRP Operating in the Field, and how to have fun doing it. I look forward to meeting many of you there.

We will have a booth thanks to the arrangements made by Doc Drake, thanks Doc. There will be the following kits available at the booth:

NorCal Resistor Kit = 2000 resistors, 25 of each of 80 standard values in strips of 25 in a special heavy duty cardboard box that makes a great case. \$25

NorCal Keyer Kit = Iambic keyer, mode A or B, 3 - 40 character memories, Beacon mode, pot or paddle speed control, stand alone or build with included 5V regulator to put in a rig. All you need to add is a 100K pot if desired, stereo jack for the paddle input, and you are ready to go. Kit includes NorCal Quality circuit board that is plated through, silk screened and solder masked, all board mounted parts, plus miniature speaker and pushbutton switch for \$15. A great buy.

NorCal Mini Boots Amp = We only have about 30 of these left. Recently, it was posted on this list how to make it work for 80 meters. The amp as designed will take 3/4 to 1 watt of input and result in 5 Watts output. It is for 40 and 20 meters, but will work on 30 meters in the 20 meter position. Very high quality kit, comes with all switches and connectors, all that you need to add is the power connector of your choice. These kits sell for \$30. But get there early because they won't last long.

NorCal BLT Tuner Kits = I will have 25 of these with me. One of the handiest little tuners out there. Comes with all parts and even includes the precut pcboard parts to build your own case and even has a clear, see through plastic cover. It is a balanced line Z match tuner designed by the master himself, Mr. Z Match himself, Charlie Lofgren, W6JJZ. Great for backpacking and working "in the field". A simple mod will allow you to add coax fed antennas and long wires with just the addition of another BNC connector and a spdt switch. \$25 and a great bargain at that price.

I have saved the best kit for last. The American QRP Club is very proud that the 4SQRP Club has asked us to sell their very first kit, The KD1JV Tenna Dipper at Dallas. The Tenna Dipper is designed to allow you to find

the 50 ohm resonant frequency of an antenna or to adjust an antenna tuner for best match without ever hooking up your rig!! Plus, it has an audible frequency readout in morse code!! It is small enough to fit in an Altoids tin with a 9V battery!! It comes with all board mounted parts and a 9V battery connector, plus a very high quality double sided, plated through, silkscreened, soldermasked board (they use the same board house that NorCal uses, grin). . All that you have to add is the antenna connector. The cost on this kit is \$25. That may make it the best value in ham radio today!! Don't worry, if you can't make it to Dallas, you can order this kit from:

Gene Sailsbury N0MQ
ATTN: Tenna Dipper Kit
603 N. Free Kings Hwy
Pittsburg, Ks 66762

Please make a check or money order for \$25 US Funds only, to 4SQRP Group. Also, it really helps speed up things if you will enclose a self addressed mailing label.

And finally, I will be taking subscriptions for the American QRP Club journal, "The Homebrewer" which will make its debut in August. Guys, make sure that you are signed up for this one. The inaugural issue is gonna be a great one, and George Heron, N2APB, is going to edit and publish it for us. George is an extremely talented man, and now that he has had his load lightened by the merger of the two clubs, watch out QRP World!! And again, if you can't make it to Dallas, don't worry. You can subscribe to 4 issues of the journal for \$20 US & Canada, and \$20 DX. Don't forget that one of the features of the Homebrewer will be a CD Rom that will be available only to subscribers. We will do the CD rom after the first 4 issues and insert it in the 5th issue. This is truly groundbreaking for a QRP Journal, and George Heron is the guy who will make it happen. To subscribe, send your check or money order made out to American QRP Club to:

American QRP Club
c/o Paul Maciel AK1P
1749 Hudson Drive
San Jose, CA 95124

Remember all of this will be at the American QRP Club booth in the indoor flea market at Hamcom. Be sure and stop by to say hello.

When I leave Dallas, I will be traveling north towards Seneca, Missouri where I will join the members of the 4SQRP Club to operate Field Day, QRP style. I am looking forward to this very much, as they are a great group of QRPers. 72, Doug

Date: Sun, 15 Jun 2003 14:00:31 -0500
From: Chuck Carpenter <w5usj@9plus.net>
To: Rick McKee <kc8aon@juno.com>, fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [152404] Re: [fpqrp] Homebrew 6 meter antennas
Message-ID: <3.0.2.32.20030615140031.009025a0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Rick,

You might consider a 2 or 3 element quad. W4RNL has some design information on his website in the way of BASIC programs for doing the calculations. The programs run nicely with GWBASIC and calculate the things you need to know based on the number of elements and the size of the wire used. <http://www.cebik.com/quad/2mq.html>

There are many ways to do the mechanical assembly. Do a search with Google on 6 meter quads. You'll find a bunch of info.

The two element quads wind up with a feed point Z of about 140 Ohms. A matching section of 75 Ohm coax will do the transformation to 50 Ohms for you. I have the BASIC programs ready to run with GWBASIC and can send them along as attachments if you'd like.

I've built a couple of 2 element quads for folks and doing another one for use during field day. A 2 element quad is comparable to a 3 element Yagi in gain.

> Anyone know any good websites for homebrew 6 meter antennas ? I sure
> would like to hear about them ! I built a rotatable dipole for 6 from
> two 102 inch stainless steel whips cut down to size and a homemade dipole
> mount, but still looking around to see what's out there before I decide
> on a more permanent skyhook !
>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, FP #601 <http://www.netxqrp.org>

Date: Sun, 15 Jun 2003 21:22:44 +0200
From: "Sverre Holm" <la3za@qsl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [152405] More AT Sprint

Message-ID: <000c01c33373\$7f4f87c0\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

I have put together a little page with AT Sprint info. It contains an alternative to N5ESE's user's guide as well as a picture of the input diode limiter modification that was required here to avoid input clipping.

See <http://www.qsl.net/la3za/ATSprint.html>

--
73,
Sverre

Sverre Holm, LA3ZA
www.qsl.net/la3za

Date: Sun, 15 Jun 2003 15:33:44 -0400
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: <qrp-1@lehigh.edu>
Subject: [152406] Tenna Dipper oops.
Message-ID: <000e01c33375\$db2aa0a0\$dfccfea9@turbotoo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Someone spotted a typo in the Tenna Dipper instructions. (Chances are good it won't be the only one, hi)

In the part-by-part assembly listing, C5 is called out as a .1u (S/A C2) but should be a 22p, (S/A C1)

Assembly drawing and parts list IS correct.

72,
Steve, KD1JV
White mountains of New Hampshire

"melt Solder"
www.qsl.net/kd1jv/

Date: Sun, 15 Jun 2003 12:39:22 -0700
From: "Glenn Maclean" <wa7spy@attbi.com>
To: <qrp-1@lehigh.edu>
Subject: [152407] Down East Microwave Transverter for Sale
Message-ID: <00d801c33375\$d2519ce0\$6501a8c0@wa7spy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Down East Microwave Transverter and Pre amp for sale

Down East Microwave 144-28CK 2 meter transverter for sale assmebled in the
Down East Microwave enclosure with heat sink on top. Works great! 1 watt
input 25 watts output 2 meter SSB or CW. Seperate receive and transmit
antenna connections. Works very well with a K2 or any other HF rig that will
put out 1 watt or less on 28 MHZ.

Down East Microwave Pre amp VHFLNACK 18DBG <0.7NF assembled in enclosure
with 2 N connectors. Works great! Receive only.

Asking \$300 for both items plus shipping.

Glenn Maclean WA7SPY

Date: Sun, 15 Jun 2003 14:46:54 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>
Subject: [152408] Good Propagation
Message-ID: <018201c33376\$dfe83340\$0077da0c@mchsi.com>

Well, it's 19:45 UTC and I'm hearing 3's, 4's, 5's, 7's, 9's and
zero's on or near 14.062.

Things are looking up for the Truffle / Fox hunts today

I hope I will see you all in a couple of hours

72 oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,

Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

Date: Sun, 15 Jun 2003 13:02:17 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [152409] Need American QRP Club (NorCal - New Jersey QRP Club members) to
help with booth
Message-ID: <019001c33379\$05888bc0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, we are having a booth at Hamcom and could use some help manning it.
If you can help us out for an hour or two, it would be great. Please email
me with the times that you can work. We will man the booth Friday, Saturday
and Sunday. Thanks, Doug

End of QRP-L Digest 2952

